

# Notice of Allowability

Application No.

09/737,722

Examiner

John Pezzlo

Applicant(s)

LU ET AL.

Art Unit

2662

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 12/15/2000.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 15 December 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 9/8/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
**JOHN PEZZLO**  
**PRIMARY EXAMINER**

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 20 are allowable over the prior art of record.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance: Applicants have claimed uniquely distinct features in the instant invention which are not found in the prior art, either singularly or in combination. Each independent claim identifies the following uniquely distinct features:

1. Regarding claim 1 - A system for interfacing in an open system interconnection type network, said system comprising: a media access control layer configured to manage data flow over said open system interconnection type network, a physical layer configured to code data for transmission to a medium, an eight bit transmit data bus configured to enable data transfer from said media access control layer to said physical layer, wherein said eight bit transmit data bus is driven by said media access control layer; an eight bit receive data bus configured to enable data transfer from said physical layer to said media access control layer, wherein said eight bit receive data bus is driven by said physical layer, a transmit ON signal bus configured to indicate to said physical layer that a data frame is available on said eight bit transmit data bus and to indicate a request by said media access control layer for said physical layer to apply a backoff signal, and a

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receive ON signal bus configured to indicate that to said media access layer valid data is available on said eight bit receive data bus and to indicate that a backoff signal request is received.

2. Regarding claim 11 - A media interface for data exchange between a media access control layer and a physical layer in an open system interconnection layered type network, said media interface comprising: an eight bit transmit data bus configured to enable data transfer from said media access control layer to said physical layer, wherein said eight bit transmit data bus is driven by said media access control layer, an eight bit receive data bus configured to enable data transfer from said physical layer to said media access control layer, wherein said eight bit receive data bus is driven by said physical layer, a transmit ON signal bus configured to indicate to said physical layer that a data frame is available on said eight bit transmit data bus and to indicate a request by said media access control layer for said physical layer to apply a backoff signal, and a receive ON signal bus configured to indicate to said media access control layer that valid data is available on said eight bit receive data bus and to indicate that a backoff signal request is received.

The closest prior art, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Claims 1-20 being allowable, **Prosecution On The Merits Is Closed** in this application.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Walsh et al. (US 6,636,519 B1) discloses a network access method and network access server therefor.
2. Chung et al. (US 6,584,108 B1) discloses a method and apparatus for dynamic allocation of multiple signal processing resources among multiple channels in voice over packet-data-network systems (VOPS).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (571) 272-3090. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Any response to this action should be mailed to:

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Commissioner of Patents and Trademarks

Washington, D.C.

or faxed to:

(703) 872-9306

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

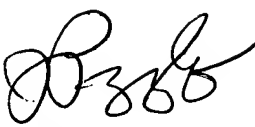
Jefferson Building

500 Dulany Street

Alexandria, VA.

John Pezzlo

22 September 2004



**JOHN PEZZLO**  
**PRIMARY EXAMINER**